



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

907,888

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
08/907,888	08/11/97	YANG	T 3176-0101P
EXAMINER			
BIRCH STEWART KOLASCH AND BIRCH P O BOX 747 FALLS CHURCH VA 22040-0747		STERRETT, J ART UNIT PAPER NUMBER 3	
		2838 DATE MAILED: 08/19/98	

MM61/0819

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

OFFICE ACTION SUMMARY

☐ Responsive to communication(s) filed on _____

☐ This action is FINAL.

☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 2 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

- ☒ Claim(s) 1-5 is/are pending in the application.
Of the above, claim(s) _____ is/are withdrawn from consideration.
☐ Claim(s) _____ is/are allowed.
☐ Claim(s) _____ is/are rejected.
☒ Claim(s) 1-5 is/are objected to.
☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftperson's Patent Drawing Review, PTO-948.
☒ The drawing(s) filed on 8/11/97 is/are objected to by the Examiner.
☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
☒ The specification is objected to by the Examiner.
☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.
☐ received in Application No. (Series Code/Serial Number) _____
☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☒ Notice of Reference Cited, PTO-892
☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 1/1
☐ Interview Summary, PTO-413
☒ Notice of Draftperson's Patent Drawing Review, PTO-948
☐ Notice of Informal Patent Application, PTO-152

--SEE OFFICE ACTION ON THE FOLLOWING PAGES--

Art Unit: 2838

1. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

2. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the invention as described in the specification, for example in figure 7 there is no low pass capacitor C_5 . Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing (see MPEP § 608.02(d)). Additionally all of the figures should utilize the same, or similar, reference numerals to illustrate the inventive circuitry, for example in figures 1, 5, and 6 the switching MOSFET should be labelled Q_2 .

Appropriate correction is required.

3. Figures 1-6 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated (See MPEP § 608.02(g)). Appropriate correction is required.

4. The drawings are objected to because element U_3 or EA in figures 1 and 5- 7 is disclosed as an error amplifier however only the output voltage V_o is input to the element U_3 . It is suggested that a signal such as a reference voltage V_{ref} be input also into the element U_3 .

Applicant is required to submit a proposed drawing correction in response to this Office action. However, formal correction of the noted defects can be deferred until the application is allowed by the examiner. Appropriate correction is required.

Art Unit: 2838

5. The abstract of the disclosure is objected to because the abstract is not on a separate sheet (see MPEP § 608.01(b)).

Applicant is reminded of the proper language and format for an abstract of the disclosure. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 250 words. It is important that the abstract not exceed 250 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details. The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Appropriate correction is required.

6. The disclosure is objected to because of improper grammatical English, such as in line 20 of page 4 "There" should be --they are-- ✓, in line 25 of page 5 "drive" should be --drives-- ✓, in lines 29-30 of page 5 --a-- ✓ should be inserted before "signal" and "voltage", and in line 30 of page 5 "to" should be deleted. ✓

Appropriate correction is required.

7. Claims 1-5 are objected to as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Art Unit: 2838

Claims 1-5 are incorrect and improper because in claim 1, lines 1, 4, 11, and 19 "the" should be --a--, in line 4 --source to-- should be inserted before "generate", in line 11 --the-- should be inserted before "power", "effect" should be --affect--, and in line 19 --the-- should be inserted before "power" and in claim 4, line 8 "a" should be deleted and in line 13 "in the base" makes little to no sense at all.

Appropriate correction is required.

8. Claims 1-5 would be allowable if rewritten or amended to overcome the above set forth objections.

9. This application is in condition for allowance except for the above set forth formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Diaz et al (4,717,994), Zansky (4,837,495), Szepesi (4,975,820), Smith (5,001,620), Martin-Lopez et al (5,335,162), Cooke et al (5,710,697), and Hawkes et al (5,717,322) are cited

Art Unit: 2838

to show current mode power converters with slope compensation old and known in the art at the time of the invention.

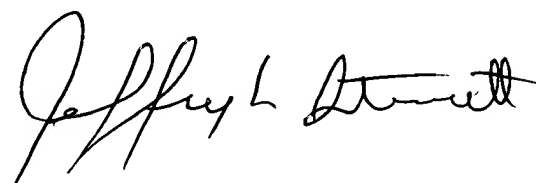
X. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Sterrett whose telephone number is (703) 308-1632. The examiner can normally be reached on Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Wong, can be reached on (703) 305-3477. The fax phone number for this Art Unit is (703) 305-7723 and the fax phone numbers for this Group are (703) 305-3431 or (703) 305-3432.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1782.

jls

August 13, 1998

A handwritten signature in black ink, appearing to read "Jeffrey L. Sterrett". The signature is fluid and cursive, with the last name "Sterrett" having a prominent, stylized ending.

Jeffrey L. Sterrett

Primary Examiner

Art Unit 2838